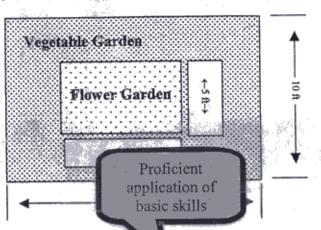
6th Grade Main Rangefinder 3

It is important that you explain and show how you solved assessment. If you use a calculator, show how you symbols and communication
Mrs. Smith's class of 24 students are earned a pizza party. To bend on pizza and pop. One topping pizza = \$7.50 Six pack pop = \$1.25
a. If each pizza has eight slices, and each student wants 3 slices, how many pizzas will they need? Show or explain how you found your answer. 24 8)72 they mill need 9 pizzas so every one can have three slices
b. If each student wants one can of pop, how many six packs of pop will they need? Show or explain how you found your answer. Six packs ore needed so every student could have a fop.
c. The class decides to buy enough for 3 slices of pizza and one can of pop for each student. What will be the total cost for the pizza party and how much change will Mrs. Smith's class receive from the \$75.00? Show or explain how you found your answer.
1,50 \$1,20 \$6750 and Mrs. Smith closesn't have enough money to have every students
d. If there is 1/8 of one pizza left and 5/8 of another pizza left at the end of the one whole pizza would be remaining? Show or explain how you found your occasional computational or
11/8 16/8 of the przzastest

of situations

Read problems 2, 3, 4 and 5 on the next few pages. Select three problems to answer. Answer ALL of the parts of the three problems you select to answer. Cross out the one problem that you do not choose to an Understanding

2 Lynn is going to put a flower garden in the middle of a vegetable garden.



Area = length x width

renth + wilth x2 then add it together = perme

a. What is the perimeter of the vegetable garden? Show or explain how you found your answer.

1254 LOST 305+ 248+ 15 He perimeter of 248+ 205+ 4481 the regetable garden

b. What is the perimeter of the flower garden? Show or explain how you found your answer.

68t 58t 12 228t is the perimeter of the Stoner

c. How much total fencing will Lynn need to buy to fence around each of the gardens? Show or

explain how you found your answer.

443th The needs 66ft of fencing to go around to 37th the vetible gorden and Slower gorden.

d. What is the area of the flower garden and what fraction of the total garden area is this explain how you found your answer.

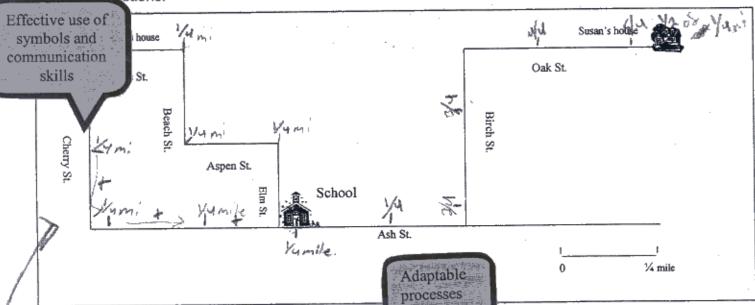
5 At 304 15 He area of the flower garden area is this explain how you found your answer.

Adequate solutions and processes

120%; she area of the vetetoblegarden

14 is the Graction of the gorden

The following is a map of David's and Susan's neighborhood. Use the given scale to answer the guestions.



a. Would it be shorter for David to walk to school using the herry Street route or the Maple Street route? Show or explain how you found your answer.

Cherry St. = : 25 Imile to get to school on Cherry st the somme

distance Maplest, Route = 25 Imile to getto school on maple st faute

b. About how far do David and Susan each have to walk to school? Who has the shortest walk to school? Show or explain how you found your answer.

David has to walk I mile to school. Susan has to walk It /5 of a mile to get to school Pavid walks a shorter distance to get to school thrain Susan

c. Susan walks ¼ mile in five minutes. School starts at 8:20 AM. What time does she need to leave her house to make it to school on time? Show or explain how you found your answer.

She has do walk It 15 ofamile to get to school. she needs t 144=25 mins. 1+4=25 mins. 144=25 mins. 1+1/5=27 mins. her house at about 2/42 10 mins. 7:50 to make it do scho! 3/4 mile= 15 mins Well-defined ... in time and yet do her Cie structure MI mile = Domine

Page 4

a. What is her average (mean) score? Show or explain how you found your answer.

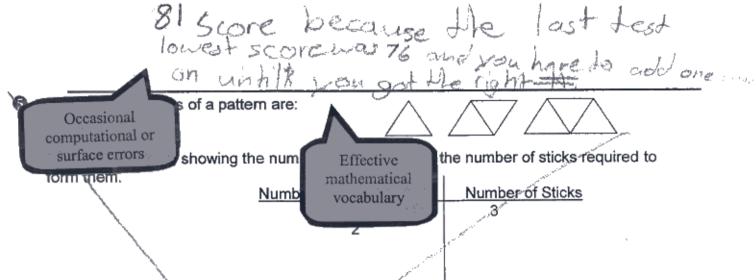
her average is 89%. 5 Tunts

b. Using Jan's five test scores, find her median score. Show or explain how you found your answer.

c. What is the mode of her scores? Show or explain how you found your answer.

93 is He made because it is drett that d. Jan really wants a mean score of 90. What is the lowest score she can earn on the next test so

that she has a mean score of 90? Show or explain how you found your answer.



b. How many sticks would be required to make 6 triangles? Show or explain how you found your answer.

c. How many sticks would be needed to make 25 triangles? Show or explain how you found your answer.

d. Write the rule that explains the relationship between the number of triangles and the number of sticks needed.